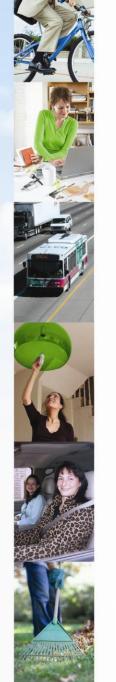
Brown Bag 2012

General Permits
for
Stationary Emergency
Internal
Combustion Engines



WALK MORE USE CFLS MORE CARPOOL MORE BIKE MORE RAKE MORE TELECOMMUTE MORE DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS MORE CONSERVE ELECTRICITY MORE REDUCE WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE RIDE THE LIGHT RAIL MORE WALK MORE USE CFLS MORE CARPOOL MORE BIKE MORE RAKE MORE TELECOMMUTE MORE DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION **MORE USE ENERGY EFFICIENT APPLIANCES** MORE CARRY REUSABLE TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS MORE CONSERVE ELECTRICITY MORE REDUCE WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE RIDE THE LIGHT RAIL MORE WALK MORE USE CFLS MORE CARPOOL MORE BIKE MORE RAKE MORE TELECOMMUTE MORE DRIVE HYBRIDS MORE CONSOLIDATE **ERRANDS MORE RIDE PUBLIC TRANSPORTATION** MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE TOTE BAGS MORE WALK MORE USE CFLS MORE CARPOOL MORE

CLEANAIR MAKE MORE



- What type of stationary source permits does the Maricopa County Air Quality Department Issue?
 - Title V (Major sources) Rule 210
 - Non-Title V (Medium size) Rule 220
 - General (Small, similar sources) Rule 230



- What is the difference between a Non-Title V Permit and a General Permit?
 - NTV: Distinct, individual source for which a wide array of standards may apply.
 - GP: A group of similar sources that fall within a specific set of pre-determined parameters.

- What General Permits are currently available?
 - Dry Cleaners
 - Dust Stationary Sources
 - External Fuel Burning (Boilers)
 - Gas Stations
 - Graphic Arts
 - Surface Coating
 - Vehicle Refinishing
 - Emergency Engines

General Permit vs. Authority to Operate

- A General Permit is issued for an unlimited number of similar sources and contains the requirements for all sources subject to the permit.
- An Authority to Operate is issued for a single source to operate under the requirements of a General Permit.
- Or stated another way: "We hold the General Permit and you hold the ATO."

- How many ATOs have been issued under each General Permit?
 - Dry Cleaners 205
 - Dust Stationary Sources 0 (New)
 - Fuel Burning 532
 - Gas Stations 1273
 - o Graphic Arts 62
 - Surface Coating 77
 - Vehicle Refinishing 283
 - Emergency Engines 178

- What is the advantage of holding an ATO under a General Permit?
 - \$\$\$ Annual fees are currently \$340 vs. NTV \$640
 - Ease of application
 - Ease of renewal
 - Easier to make changes within the General Permit
- Disadvantages?
 - General Permit tends to contain more conditions than NTV, some of which may not apply
 - A little less flexibility

- Who qualifies for an ATO under the General Permit for Emergency Engines?
 - The maximum aggregate power rating of all stationary
 ICE on the site is 2,500 horsepower or less.
 - All ICE are used only for emergency or standby purposes (i.e., backup generators).
 - No ICE at the facility is ever used for peak shaving purposes.

- Who qualifies for an ATO under the General Permit for Emergency Engines?
 - If boilers and/or water heaters (external fuel burning equipment) with a heat rating greater than 300,000 BTU/hr are located at the facility:
 - The maximum combined heat input rating of all boilers and water heaters with a rating greater than 300,000 BTU/hr is less than 10 million BTU/hr, and
 - The boilers and water heaters are fueled only by natural gas, butane or propane.

- Who qualifies for an ATO under the General Permit for Emergency Engines?
 - No other equipment or operations requiring an air quality permit besides ICE and fuel burning equipment are used at the facility.
 - Facilities with lift stations (water or wastewater) that meet all other requirements in this section are eligible for the general permit as long as the requirements of Maricopa County Rule 320 - Odors and Gaseous Air Contaminants are met.

- What type of facility does not require a General Permit for Emergency Engines?
 - When counting engines >50 HP, the total horsepower is <250 HP; or
 - The potential emissions at 500 hours of operation of all internal combustion engines combined is less than 4,000 pounds of nitrogen oxides or carbon monoxide per year. Use manufacturer's data at 100% load.

- If my source meets the qualifications, what is the process for obtaining an ATO?

 - Submit application and permit fee of \$340 to One Stop Shop at 501 N. 44th Street
 - If you hold a NTV permit for the same source, request cancellation upon issuance of the ATO.

Permit Contents

- General Requirements
- General Operating Requirements
- 40 CFR Part 60 Subpart IIII Requirements for Compression Ignition (Diesel) Engines
- 40 CFR Part 60 Subpart JJJJ Requirements for Spark Ignition Engines
- 40 CFR Part 63 Subpart ZZZZ Requirements for Reciprocating ICE

Additional Permit Conditions

- Odor Control Requirements
- Monitoring and Recordkeeping Requirements
- Reporting Requirements
- Fugitive Dust From Dust-Generating Operations

- Miscellaneous Stuff
 - Duration of ATO
 - Annual fee = \$340 (subject to CPI)
- Questions??????

For more information contact:

Ken Hooker: 602.506.5102

Todd Martin: 602.506.7248

Wyatt Sterusky: 602.506.5542

Richard Sumner: 602.372.1341

http://www.maricopa.gov/aq/



